MISSOURI BOTANICAL GARDEN

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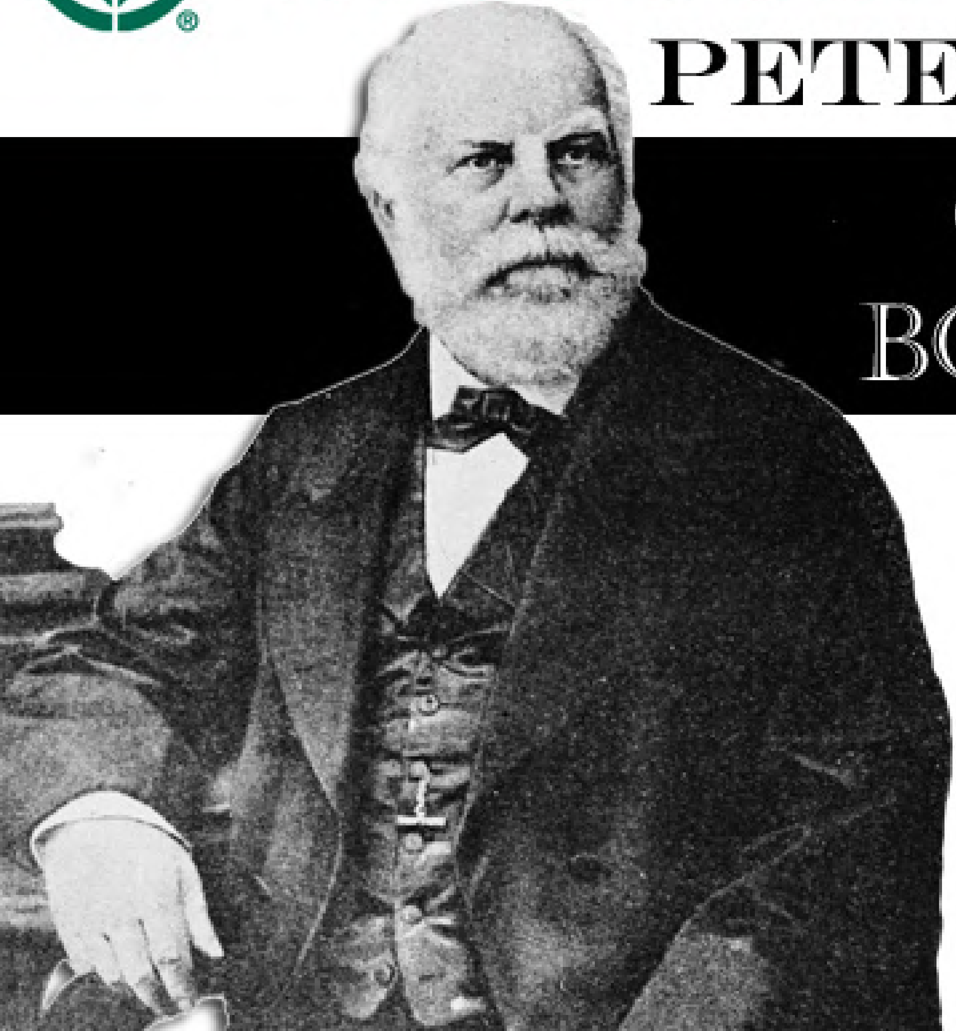

# GEORGE ENGELMANN BOTANICAL NOTEBOOKS

*Pagination Note:*
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Euphorbiae ~~a~~ Stipulatae, **Anisophyllum** Sept. 1848

pubescence shld not range above ~~serratura~~

* Semina laevia

~~† Glaberrimae~~

§ foliis integris

2 E. polygonifolia L. ⊙ Atlantic coast – Lake coast.

3. E. Geyeri E. ⊙ α. florida Western Prairies, Geyer, Wislizenus (464) Fendler (792. 793) Fremont

β. inconspicua Texas, Piedernales Lindheimer

γ. microsperma Geyer Beardstown

4 E. cordifolia Ell. ⊙ Louisiana, Texas

5 E. herniarioides Nutt ⊙ Missouri, Arkansas Texas, ~~N. Mexico~~ western Prairies (802. 799 Fendler) Mexico (214 457. a Gregg)

γ microsperma 291 b. c. Lindheimer

β. microphylla Lindhr – 532 = flexicaulis Scheele

§§. foliis serratis – s. crenulatis.

6. E. stipulata n. sp. ♃ Mexico 457. b. 520 Gregg.

7. E. Peplis Lin ⊙ Europa

†† Pilosae

foliis serratis

8 E. Fendleri n. sp. ⊙ N. Mexico Fendler 804. 796

Glands

** Semina rugosa, tuberculata, exsculpta

† Glaberrimae

§. foliis integris

1. E. gracillima n. sp. ⊙ (arenaria Nutt non Kunth) Texas Lindheimer

9. E. ~~angusta~~ revoluta n. sp ⊙ N. Mexico Fendler 789

10 E saxicola n. sp. ♃ Texas (Lindh 164. 290) N. Mexico (809 Fendler) Upper Platte [illegible]

a. Santa Fe & Platte river
b. Texas
c. ~~Platte river~~

§§. foliis serratis, dentatis, crenulatis

11. E Greggii n. sp. ♃ Mexico Gregg. 457. c

15. E. Chapmani n. sp ⊙ Florida Chapman

17. E. ~~dimidiata~~ ~~unilateralis~~ concolor n. sp. ⊙ Western Plains Geyer Texas Lindhr ?

a Geyeri
β. Lindheimeri

16 E. notata n. sp. ⊙ N. Mexico (795 Fendl)

18 E. ~~angusta~~ n. sp. ⊙ N. Mexico (791. 803 Fendler) ~~Upper~~ Missouri (Geyer

1. 803
2. 791
3 Missouri

†† Pubescentes, Pilosae, Canescentes

19. E. densiflora Florida

§ foliis integris

12. E. ~~cinerascens~~ n. sp ♃. Mexico Gregg 215.

13 E. cinerea n. sp. ♃ New Mexico Fendler 794

14 E ~~rupifraga~~ n. sp. ♃ Texas Lindheimer 429

saxi[illegible]

§§. foliis serratis, crenatis

† seminibus cinereo-rubellis

20. E. longipila n. sp. ⊙ Texas Lindheimer 293. 294. 487

21. E. humistrata n. sp. ⊙ Missouri – Ohio

22. E. Chamaesyce Lin ⊙ Europa

26. E ~~lineolata~~ [illegible] n. sp. ♃. Mexico Gregg. 837

a. glabriuscula mexicana
β. ~~hirtella~~ Chamaesyce

23. E. maculata Lin ⊙ Eastern States – Missouri – Texas. var. β glabrata N. Caroli

24 E intermedia n. sp. ⊙ Western Prairies & Santa Fe Fendler 797 & 798 = N. 25?

798 – 797.

25. E. ovalifolia n. sp. ⊙ Texas Lindheimer α hirsutior β. glabrior – Louisiana Hale 165

†† sem. nigricantibus

27. E. hypericifolia L ⊙ N. States N. Mexico, Texas, Mexico

70 : 60
70 : 60
13 : 10
13 : 10
15 : 10
16 : 10
25 : 10

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Fendler

Euphorbiae stipulaceae

× Sem. rugos. s. tuberculat s. exsculpta s. impresso punctat.

† Glabrae

§ fol. integris

1. 800. 2
2. 789 ⊙

§§ fol serratis

3. 795. 791. 803. ⊙

†† pubescentes

§. serrat

4 797. ⊙
5. 798 ⊙

§§. fol integr.

6. 794. 2

×× Sem. laevia

§. fol. integris

7. 802. 799 ⊙
8 792 793 ⊙

§§. fol. serrat

9. 796. 804 ⊙

---

Gregg

13
9
5
1. 457. c.
12
25 24
22
4
16
24
20
23

2. 837
3. no nro
4. 215

5 520. 457. b.
6 457. a.
214 ?

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Lindheimer

Euphorbiae stipulaceae

× sem. rugos. tuberc. s. exsculpta

† glabrae

§ fol integris

1. 164. 290.
2 314 489

†† pubescentes

§ fol integris

3. 429.

§§. fol serratis

4. 487 293 294
5. 156
6 no nro.

×× Sem. laevia

7. 108. 291. 292
8 n nro (Piedernales

---

Wislizenus

~~[illegible]~~ transverse
rugos ~~#~~ 15. 18 21 24 25 26 2 2
tuberculat. 12 19 20
sacharat
transverse foveolat exsculpt. 9. 11² 13 b. 23
punctate foveolat 10 13a 14. 16 17

acute rugosis
plus minus distincte
rugose foveolatis
foveolatis 9. 13. b. 21 22 23 2
rugosis 11 15. 18 25
18 _ 21. 11. $\frac{15}{7}$ 13b _ 24. $\overset{9.\,25}{22}$ 23
~~18 11. 15. 25~~

41) 464 = Fendl. 8. (792. 793)

# Croton.

I. Capsula tricocca trisperma, fl. masc. cal 5. partito

A. fl. m. petalis 5. fl. f. ad basin spicae masculae

a. cal. foem. aequali 5 partito,

α, staminibus 9–12; disco hypogyno, 10 dentato

Geiseleria Kl

Geiseleria Klotzsch

stigm 6.

1. Cr. glandulosus Linn

β. stamin. 15–20. disco hypogyno orbiculato integro

stigm 8–12

2. Cr. Argyranthemum Mx

b. cal. foem. inaequali 6–8 partito; stam. 12

α. stigmatibus 18–24; foliis integris

Piliophytum Klotzsch

3. Croton capitatus Mx

β. stigmatibus 12, foliis denticulatis

Piliophytum Kl.

4. Cr. Lindheimeri Eng

B. fl. m. petalis nullis; fl. f. in glomerulis distinctis

a. cal. foem 5–6 partito, stam. 12. stigm 12.

5. Cr. maritimus Walt

b. cal foem ? stam. 7–8. stigm ?

6. Cr. plattensis Eng

Hendecandra Esch

c. cal. foem 5 lobo; stam. 11–12 stigm. 20–24

7. Cr. tuberculatus, Eng

Hendecandra Esch

II Capsula 4 valvis, monosperma; fl. masc. cal 3 partito

petalis 3; stam ~~3 sub~~ 3–6 4; ~~f~~ cal foem. 4–~~6~~ partito

stigm 4

Klotz

Engelmannia Klotzsch not Torr & Gr.

8. Cr. ellipticus Nutt

vide Notes to Lindh. Collect. 1843. No. 11 & 12

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Croton

I. flore masculo; cal. 5partito, capsul

A petalis 5.

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Euphorbiae stipulatae

1. Sem. foveolata, rugosa, s. tuberculosa
(foliis plerumque serratis)

a. sem. nigricantibus.

1. hypericifolia sem obovatis, obtusius angulatis
2. maculata sem. oblongis, acute angulatis

b. sem e cinereo rubellis

α. foliis serratis, pilosiusculis

3. depressa sem. transversim foveolatis
4. humistrata sem. tuberculatis
5. oblongifolia sem transversim rugosis

β. foliis serratis, glaberrimis

6. lateralis sem. minoribus oblongis, transversim foveolatis
7. angustior sem majoribus oblongo-linearibus transversim foveolatis

γ. foliis integris glaberrimis

8. deltoidea sem transversim foveolatis

2. Sem laevia
e cinereo-rubella, folia integra glaberrima

9. parvifolia fol ovato orbiculatis, floribus et seminibus minimis
10. cordifolia fol cordato ovatis, ~~floribus~~ invol petaloides, seminibus majoribus
11. Geyeri foliis oblongis obtusis, sem. majoribus invol. petaloideis
12. polygonifolia foliis lineari oblongis obtusis sem maj. invol glandulosis
13. gracillima foliis linearibus, ~~floribus~~ involucris singulis sem. majoribus.

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Euphorbia dentata

involucris basi (involucellis) plotis discoloribus umbellis — umbellis trifidis ~~glomeratis~~, umbellulis bifidis ~~[illegible]~~ glomeratis. — involucelli foliis apice liberis laceris; involucelli glandula solitaria (s. binis) bilabiatis intricata;

caps. glabra, semen nigr. verrucoso-asperis

Euphorbia Peplus Europ. annua foliis petiolatis spathulatis obovatis; capsulis dorso coccorum alato-bicarinatis, seminibus foveolatis; ~~involucris~~ bracteis late ovatis minimis

commutata ([illegible] pp. magis glabra)

E. ~~affinis~~ commutata Missouri & Kentucky; perennis (multicaulis) foliis spathulatis basi attenuatis; capsulis dorso laevibus seminibus majoribus foveolatis; ~~involucris~~ bracteis transversis, subtriangularibus;

10 × 07

E. controversa. Ohio. annua, simplex, foliis petiolatis ~~[illegible]~~ spathulatis obovatis, capsulis dorso laevibus, seminibus majoribus foveolatis, ~~involucris~~ bracteis transversis triangularibus.

Euph. — — The same as the former? but annual; seed a little larger, 3 or 4 times as large as in E. Peplus

E. cuneifolia Georgia Texas ~~perennis~~ annua? foliis cuneatis s. spathulatis obtusis, retusis s. profunde emarginatis, ~~involucris~~ bracteis orbiculato-triangularis; capsulis laevibus, seminibus minutis, facie interiori 4 foveolatis

E. Mershii. Upper Platte rivers. perennis, multicaulis, glaberrima, glauca, foliis ~~ovatis~~ acutis, basi obtusis s. subcordatis, sessilibus bracteis late cordato ovatis; umbellis trichotomis; ~~involucris~~ involucris subsessilibus; capsulis laevibus, seminibus cinereis exsculptis.

verte.

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verte

Euphorbiae exstipulatae,
floribus ~~umbellatis~~
glandulis involucri lunatis
capsulis laevibus
seminibus exsculptis (umbellis trifidis)

1. seminibus facie interiore foveolato-4 punctatis, exteriore sub laevibus

Euphorbia [illegible] folia mihi ⊙ Georgia, Texas; sem. e cinereo fuscis umbellis trifidis; foliis cuneatis retusis s. emarginatis. Sem $\frac{6}{10}$ lin long.

2. seminibus facie interiore bisulcatis, exteriore foveolato punctatis.

Euphorbia Peplus L. ⊙ Europ.; sem ciner. $\frac{7}{10}$ lin long. – umbellis trifidis, capsulae angulis bicarinatis; foliis petiolatis obovatis, obtusissimis

3. seminibus. facie ~~exteriore et interiore~~ undique foveolato punctatis.

a. foliis viridibus, inferioribus petiolatis.

Euphorbia commutata mihi ⊙ s. ♃ ? multicaulis; fol spathulatis, infer. petiolatis, super. sessilibus. bracteis transversis, umbellis 3fidis; sem. cinereis $\frac{9}{10}$ lin longis

Euphorbia controversa mihi ⊙ ~~[illegible]~~ caule basi simplici, fol omnibus spathulatis petiolatis, bracteis transversis, umbellis 3fidis, sem cinereis 1 lin longis.

? b. foliis glaucis ~~sessilibus~~

Euphorbia Merschii ♃ multicaulis, sem. cinereis $1\frac{3}{10}$ lin longi.

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Euphorbia. 2

not as broadly cordate ovate — capsule ?
glands with 2 long horns
NB. I have the same from Texas; caps smooth, seed grayish ~~smooth~~ seed ? nearly smooth

24. Euphorbia Esula — naturalized, Massachusetts

25. Euph. nemoralis Darl. = E. Darlingtonia Torr
westchester Pa. leaves oblanceolate
$2\frac{1}{2}$ inches long $\frac{3}{4}$ inch broad, entire —
upper part of the stem with many floral
leaves; umbell 5-fidous — involucrall
cordate obtuse, or emarginate; glands
transverse ovate (red ?); capsule
verrucose — seed ?
lowest surface of lower leaves pubesct
every thing else smooth.

near Euphorbia verrucosa! not near E. sylvatica

26. Euph marked No. 18." is = 18
is my ~~varians~~ humistrata, complete, "large, branches
more elongated, therefore flowers not so much
glomerate! stem woolly; leaves smooth
both sides; petioles hairy — capsules also
glands petaloid, leaves with few serratures
towards the point. —

27. Euph — marked No. 17" is E. depressa
equal to the large southern" specimen No. 15 —
styles longer than usually; glands not petaloid,
leaves smooth, not mucronulate, glaucous
below; few serratures towards the point

28. Euph. roadsides. Ky. — reddish, nearly smooth
is = 26 and ~~18~~. the smoother variety of my ~~varians~~ humistrata
stem and leaves red; glands petaloid —
stem and capsule sparsely hairy
leaves nearly entire

29. Euph marked 16" — E. depressa, with spotted
leaves — glands petaloid" rosecoloured, styles
a little longer — 4 stipules, to each pair of
leaves, whole, undivided, ciliate; leaves
with hairs on the under side

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30. Euphorbia ~~parvifolia~~ herniarioides New Orleans Riddell —
is our E. cordifolia (not Elliot's, No. 17) smooth glaucous, stipules united, lacerate or sometimes undivided — — peduncles single longer than petioles — glands not petaloid (my specimens collected August 1843 have the glands more or less petaloid — sometimes not at all

31. Euphorbia Alexandria La Dr Hale —
is probably the same as No. 17 — an older specim remarkable by the large petaloid glands, not transverse but obovate, not emarginate stipules not connected, setaceously multifidous

32 Euphorbia hypericifolia 1. from New Jersey, the common form. 2, from Cincinnati; leaves narrower, more falcate; stipules either connate triangular or divided; always shortly ciliate; involucre ~~red~~ — ; petaloid glands outside beautif pink, inside white

33. E. hyperic. Three specimens from Westchester Pa —
leaves smaller, plant more decumbent, more hairy; petaloid glands much smaller. — approaching much E. maculata — leaves also partly spotted. — Styles as long as young capsule

34. E. polygonifolia Seacoast of New Jersey.
not to be distinguished from No 20.
but under the name of E. hypericifolia —
from Torrey!

35 E. depressa under the name of E. hypericifolia [illegible] hirsuta; from Westchester Pa. very hairy; upper side of leaves smooth. Stipules subulate, not connated, nor divided; with long hairs

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Euphorbiae texanae, fascic III. Pl. Lindh. etc & Californ

165 E. oblongifolia var. glabrior annua, e basi ramosa, suberecta; caule in lineis piloso, foliis oblique ovatis, obtusis, apice et margine inferiore serratis supra glabris, subtus parce pilosis; stipulis connatis, s. bifidis, fissis; involucri glandulis vix petaloideo-marginatis; ~~capsulae acute angulis~~, angulis capsulae acutis pilosis; seminibus acute 4 angulatis transversim rugosis, ex rubello ~~fuscis~~ cinereis.

In saxosis N. Braunfels, Junio 1846.

var. pubescens was collected near Industry 1844 — more hairy, & depressed. —

108 Seeds more roundish oval than in Pl. L. 300. and a little shorter, angles blunter   Euphorb. herniarioides

292 Seeds smaller, but in shape more nearly resembling Pl. L. 300 sharper angled;

290 Euphorbia rupifraga perennis? glaberrima, glaucescens caulibus plurimis e radice lignosa suberectis; foliis oppositis, oblique triangularibus, inferioribus cordatis, integris, obtusis, petiolatis, stipulis subulatis distinctis s. connatis; involucris in dichotomiis ramulorum pedunculatis, rarius in ramulis brevibus glomeratis; pedunculis petiolos aequantibus, glandulis involucri transversim ovatis, (luteis), capsula glabra, obtusangula; seminibus cinereis obovatis, obtusangulis, irregulariter leviterque ~~[illegible]~~ foveolatis.

In crevices of rocks N. Braunfels June & July. plant about 4 inches high, many stems from a ligneous root — leaves fleshy or coriaceous

Near E. deltoidea E. mss from the upper Platte district, by the seeds being ~~thicker~~ more ovate with obtuse angles, and more indistinct irregular foveolae, which in the other are deeply ~~rugulose~~-foveolate. — leaves also more cordate, obtuse and on longer petioles. — Both are probably perennial!

293.294 Euphorbia longipila annua, undique plus minus pilosa, a basi ramosa, erecto-patula, foliis oppositis breviter petiolatis, oblique triangularibus basi subcordatis, obtusis, leviter dentatis s. integris, stipulis lanceolato subulatis; involucellis longius pedunculatis

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pilosis, glandulis (albis s. rubris) obovatis petaloideis, capsula glabra, acute angulata, seminibus cinereis ovatis, acute angulatis, levissime transversim rugulosis foveolatisque.

Dry rocky Cedarwoods N. Braunfels – fl. Aug. Sept. — also in open dry wood on the Riverbank.

We have a more hairy form with nearly entire leaves (most of the specimens distributed in the sets) and a ~~smoother~~ less hairy one with more denticulate leaves ~~superficially~~; Plant 5 to 10 inches high, somewhat glaucous, often turning reddish, or lower surface of leaves red.

89 Euphorbia umbratilis annua erecta a basi patulo-ramosa, glaberrima ~~laete virescens~~ flavo-virens; foliis caulinis obovatis in petiolum attenuatis apice obtuso emarginatis; fol. floralibus superioribus transverse ovalis, connatis; umbellis trifidis, bis terve bifidis; involucellorum subsessilium glandulis ~~semi~~ lunatis; capsul~~ae~~ coccis obtusis; seminibus cinereis undique foveolis numerosissimis subconfluentibus impresso-punctatis.

This delicate species of a ~~[illegible]~~ pleasant yellowish green colour covers exclusively large patches, on light fertile soil, in shady woods especially of Cedars near New Braunfels. Fl. ~~April~~ April. — plant 10–12 inches high — The ~~[illegible]~~ ~~punctures~~ of the seeds are some larger, some smaller, ~~sometimes~~ partly ~~often~~ somewhat ~~running into~~ confluent, and ~~occasionally~~ forming grooves parallel to the inner angle of the seed.

It belongs to the division peploïdes us, ~~with~~ with lunate glands & dotted seeds; of which also the next species is a member —

90. 313 Euphorbia Lindheimeri: annua, erecta, stricta, simplex s. a basi parce ~~sub~~ramosa, glaberrima, ~~glaucescens~~ flavo-virens; foliis caulinis cuneatis, obtusis s. emarginatis, fl. floralibus superioribus ~~transversa~~ triangulari-ovatis, non connatis; umbellis 3–5 fidis, bifidis; involucellorum subsessilium glandulis ~~semi~~-

5×7
6×8

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Euphorbia subserrata — common about Sacramento, California; seed obtained from Dr B. B. Brown — plant raised in Summer 1852.

Annua, glaberrima, glaucescens, erecto-patula foliis oppositis oblique ovatis (obtusis (inferioribus) subcordatis, versus apicem minute argute serratis s. integriusculis stipulis (rubellis) infra connatis triangulatis, supra distinctis subulatis, omnibus plus minus fimbriato-~~lacero~~ fissis. ~~floribus~~ involucris solitariis, pedunculis petiolos superantibus; glandulis involucri (roseo-albis) margine petaloideo ~~subloba~~ dentata s. lobato; stigmatibus 2fidis stylos aequantibus, capsula glabra; acutangula; seminibus & rubello cinereis, ovatis, (carina dorsali acuta), irregulariter scrobiculatis s. ~~exsculptis~~ depresso punctatis s. exsculptis

The plant before me 5–6 inches high leaves 2–4 l. long ½–2½ l. ~~broad~~ wide seed 0.6–0.7 l. long. Seed a great deal larger than in E. maculata and not as sharp angled

Euphorbia subcrenata n. sp. N. Braunfels Texas, Lindheimer N 243 Coll. 1850. Cultiv. in St Louis 1851 & 1852.

Annua, ~~gracilis~~ gracilis glabra, & suberecta ramosissima flexuosa; foliis oblongo-linearibus, obtusis s. retusis, versus apicem subcrenatis s. integriusculis, basi ~~maxime~~ obliquissimis; stipulis distinctis fimbriatis ~~fi~~ laceris. involucris ~~singulis~~ solitariis s. in glomerulos congestis, pedunculis petiolos aequantibus, glandulis involucri albidis s. roseo-marginatis, margine transverso, sub integro ~~crenato~~; ~~stigmatibus~~ stylis 3 brevissimis, stigmatibus 6 capitatis sessilibus; — Capsula glabra acutangula, seminibus rubello-cinereis, ~~transverse~~ ovatis, acute angulatis, transverse sulcatis, angulis dentatis. —

Slender erect plants with erect branches, 6–10 inches high leaves 1½–3 l. long ½–1 l. wide seeds very distinctly marked by deep grooves which cutting the angles make them appear dentate 0,5 l. long longer than the similar but less distinctly marked seed of E. maculata, which is only 0.4 long.

Near some forms of E. maculata, especially var angusta

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# Diagnosis of Euphorbiae stipulatae

* Semina laevia

† folia integra

1. Euphorbia gracillima erecta, foliis linearibus, involucris ovato-appendiculatis, seminibus subglobosis Texas ⊙
2. E. polygonifolia prostrata regulari-dichoma, foliis oblongo-linearibus; involucris ex appendiculatis, Atlantic States ⊙
3 E. Geyeri stipulis multifidis, foliis oblongis-oblongo-linearibus. involucris appendiculatis Western States & Deserts ⊙
4 E. cordifolia stipulis multifidis, fol. cordatis ovatis, involucris orbiculato-appendiculatis sem. ovatis. Souther States ⊙
5. E. herniarioides stipulis subconnatis, fol orbiculato-ovatis, invol. brev. appendiculatis s. nudis sem. ovatis Western States ⊙
6. E. stipulata stip. connatis; fol orbiculato-ovatis; invol. late appendiculatis; sem. linearibus acutang. Mexico ♃

†† folia plus minus serrata s. crenata

§. caulis glaberrimus

7. E. Peplis fol. falcatis, infra sub dentatis; invol. sub nudis Coasts of Mediterranean ⊙

§.§. caulis pilosus

8. E. Fendleri fol ovato-oblongis, serratis; sem. ovatis acute angulatis. New Mexico ⊙

** Semina tuberculata, rugosa s. exsculpta (omnia, excepta specie ultima, pallida)

† folia integra

§ glaberrimae

9. E. revoluta erecta, fol. linearibus, revolutis, sem. oblongo-linearibus transverse foveol. rugos. New Mexico ⊙
10. E. saxicola erecto-patula, fol ovato-triangulatis (s. lanceolatis), invol. subex appendiculatis sem. ovatis transv. fov. rug. Texas, New Mexico ♃
11. E. Greggii erecta, stip. connatis; fol. reniformibus; stigm. indivisis; sem linear. tr. ~~fov.~~ rug. Mexico ♃

§§ canescentes

12. E cinerascens procumbens, fol. triangulatis, subtus cinereo-pubescentibus; sem. acute angulatis leviter punctatis Mexico ♃
13. E. cinerea erecto-patula, fol undique cinereo-canescentibus e basi lato angustatis revolutis ~~flor. singulis~~, sem. leviter tuberculatis New Mexico ♃
14. E. rupifraga stricta, fol. linearibus, involucris singulis, sem late ovatis tr. fov. rug. Texas ♃

†. folia crenata s. serrata

§ glaberrimae

15. E. Chapmanii prostrata, stip. connatis, fol. basi acuta orbiculato-obovatis, crenatis; sem. ovatis saccharatis Florida ⊙
16. E. notata prostrata, fol. oblongo-obovatis, serratis; sem. lineari-oblongis, punctato-exsculptis New Mexico ⊙
17. E. concolor prostrata fol. oblongis s. oblongo-linearibus, crenato-serrulatis; sem tr. fov. rug. angulis crenatis Western deserts–Texas ⊙
18. E. angusta erecto-patula, fol. oblongo-linearibus, acute serratis; sem. tr. ~~[illegible]~~ punctatis et rugosis, Western deserts & N. Mexico ⊙
19. E. densiflora ~~[illegible]~~ erecta, stip. connatis, fol. oblongis acutiusculis serratis, cymis densis subaphyllis sem. ovatis transv. rugulosis Florida ⊙

§. pilosae

a. Semina saccharato-verruculosa

20. E. longipila erecto-patula, patentim pilosa; fol. triangulatis leviter crenatis Texas ⊙
21. E. humistrata prostrata, bifariam pubescens; fol basi obtusis elliptico-oblongis, serrulatis Western States ⊙

b. Semina transverse rugosa & foveolata.

over

6727

b. semina transverse rugosa s. foveolata

α pallida

22. E. Chamaesyce, prostrata, pilosa s. glabra, fol. orbiculato-ovatis crenulatis s. serratis, sem. ovatis tuberculato-rugosis Mediterranean ☉

23. E. maculata prostrata, piloso-pubescens, fol. lineari-oblongis, subfalcatis, serrulatis; sem. ovat. ~~[illegible]~~ transverse foveolatis U. States - Texas ☉

24. E. intermedia prostrata, piloso-pubescens, fol. oblongo-ovatis, serratis, stigm. capitatis indivisis. sem. ovatis rugosis, exsculptis et punctatis - Western desert ☉

26. E. deltoidea adscendens, piloso-pubescens, fol. ovato-triangulatis, crenato-serratis sem. ovatis rugoso-tuberculatis. Mexico ♃

25. E. ovalifolia. prostrata s. adscendens, piloso-pubescens. stipulis posterioribus connatis, fol. ovalibus, serrulatis, sem. acute transverse rugosis Texas ☉

β. fusco-atra

27. E. hypericifolia. erecta ± patula, bifaria pubercula, fol. supra pilosiusculis; sem. ovatis transverse tuberculato-rugosis N. America ☉

MISSOURI BOTANICAL GARDEN
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